

## Narooma Sewage Treatment Plant - Monthly Result Summary - March 2024



Anniversary Date: 1-Apr-23  
Published Date: 12-Apr-24

Licensee: Eurobodalla Shire Council

EPL No.: 1398

Premises: Narooma Sewage Treatment Plant

Address: Lakeside Drive, Narooma, NSW 2546

Licence Period: 01-Apr-23 to 31-Mar-24

EPL Link: <https://apps.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=206031&SYSUID=1&LICID=1398>

POEO Public Register: <https://apps.epa.nsw.gov.au/prpoeoapp/>

Required Month: Mar-24

Licence Point 1 - Discharge to Waters - Point 1 Concentration Limits			
Parameters	Unit of Measure	90 percentile concentration limit	100 percentile concentration limit
Biological Oxygen Demand	(mg/L)	10	15
Oil and Grease	(mg/L)	5	10
pH	(pH Units)	-	6.5-8.5
Total Suspended Solids	(mg/L)	15	25
Chlorophyll a	(mg/m3)	-	-
Faecal Coliforms	(CFU/100mL)	200	600
Total Nitrogen	(mg/L)	15	20
Total Phosphorus	(mg/L)	8	10
Ammonia	(mg/L)	2	5

See Note 1

Note 1: A 100 Percentile Concentration Limit of "10 mg/L and no visible oil and grease" applies for Point 1.

Note 2: The monitoring at Point 3, required by Condition M2.1, is conducted by the licensee to determine compliance with limits specified for discharges to Point 1 as described in Condition L3.

Licence Point 3 - Effluent Quality Monitoring (Monthly Results)									
Sample Frequency	6 Times Per Year	6 Times Per Year	6 Times Per Year	6 Times Per Year	6 Times Per Year	6 Times Per Year	6 Times Per Year	6 Times Per Year	
Sampling Method	Composite Sample	Grab Sample	Grab Sample	Composite Sample	Grab Sample	Composite Sample	Composite Sample	Grab Sample	
Sampled Date	Biological Oxygen Demand (mg/L)	Oil and Grease (mg/L)	pH (pH Units)	Total Suspended Solids (mg/L)	Chlorophyll a (mg/m3)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)	Obtained Date
20-Feb-24	<2	<5	7.80	3.00	3.40	2.64	5.98	0.19	2-Mar-24
100 Percentile Exceedance?	NO	NO	NO	NO	NO	NO	NO	NO	

Licence Point 3 - Effluent Quality Monitoring (Year To Date Results)								
Year to Date	Biological Oxygen Demand (mg/L)	Oil and Grease (mg/L)	pH (pH Units)	Total Suspended Solids (mg/L)	Chlorophyll a (mg/m3)	Total Nitrogen (mg/L)	Total Phosphorus (mg/L)	Ammonia (mg/L)
Samples	13	13	13	13	13	13	13	13
Min	<2	<5	7.40	<2	0.10	1.40	4.480	0.06
Mean	1.46	2.50	8.02	2.62	2.65	4.53	6.534	0.51
Median (50th %ile)	1.00	2.50	7.90	2.00	1.80	2.64	6.120	0.17
90th %ile	3.00	2.50	8.72	4.00	5.96	10.11	8.396	0.28
Max (100th %ile)	3.00	<5	9.00	8.00	10.00	10.60	10.600	4.60

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### Licence Point 2 - Influent Volume Monitoring

Sample Frequency	Daily (Continuous)	Maximum Daily flow (kl)	20000
Sampling Method	Ultrasonic Flow Meter		
Sample Date	Rainfall (mm)	Plant Inflow (kl)	Exceedance (YES/NO)
1-Mar-24	0	1400.9	NO
2-Mar-24	0.2	1434.4	NO
3-Mar-24	0	1471.0	NO
4-Mar-24	0	1421.0	NO
5-Mar-24	0	1440.5	NO
6-Mar-24	0	1375.3	NO
7-Mar-24	0	1367.7	NO
8-Mar-24	0	1438.6	NO
9-Mar-24	0	1560.0	NO
10-Mar-24	0	1598.5	NO
11-Mar-24	0.2	1448.7	NO
12-Mar-24	0	1401.5	NO
13-Mar-24	0	1343.6	NO
14-Mar-24	5.6	1440.8	NO
15-Mar-24	12.4	1726.8	NO
16-Mar-24	1.6	1539.6	NO
17-Mar-24	28.6	2323.9	NO
18-Mar-24	43.4	4318.2	NO
19-Mar-24	6.8	3703.9	NO
20-Mar-24	11.2	3052.2	NO
21-Mar-24	0	2007.1	NO
22-Mar-24	0	1732.2	NO
23-Mar-24	0	1629.3	NO
24-Mar-24	0	1577.3	NO
25-Mar-24	0	1519.3	NO
26-Mar-24	0	1479.1	NO
27-Mar-24	0	1433.2	NO
28-Mar-24	0	1503.5	NO
29-Mar-24	0	1762.4	NO
30-Mar-24	0	1895.8	NO
31-Mar-24	0	1873.0	NO
<b>Monthly Total</b>	<b>110.00</b>	<b>55219.30</b>	
<b>Monthly Minimum</b>	<b>0.00</b>	<b>1343.64</b>	
<b>Monthly Mean</b>	<b>3.55</b>	<b>1781.27</b>	
<b>Monthly Maximum</b>	<b>43.40</b>	<b>4318.24</b>	
<b>Year to Date Total</b>	<b>946.60</b>	<b>619826.12</b>	
<b>Year to Date Minimum</b>	<b>0.00</b>	<b>1226.00</b>	
<b>Year to Date Mean</b>	<b>2.59</b>	<b>1693.51</b>	
<b>Year to Date Maximum</b>	<b>84.80</b>	<b>9030.91</b>	

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Licence Point 3 - Effluent Quality Monitoring (Monthly Results)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
5-Mar-24	23	17-Mar-24
12-Mar-24	910	17-Mar-24
19-Mar-24	3800	31-Mar-24
26-Mar-24	250	2-Apr-24
100 Percentile Exceedance?	YES	

Licence Point 4 - Ambient Water Monitoring (Monthly Results)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
5-Mar-24	22	17-Mar-24
12-Mar-24	1	17-Mar-24
19-Mar-24	7	31-Mar-24
26-Mar-24	<1	2-Apr-24

Licence Point 5 - Ambient Water Monitoring (Monthly Results)		
Frequency	Special Frequency 2*	
Sampling Method	Grab Sample	
Sampled Date	Faecal Coliforms (CFU/100mL)	Obtained Date
5-Mar-24	23	17-Mar-24
12-Mar-24	<1	17-Mar-24
19-Mar-24	7	31-Mar-24
26-Mar-24	2	2-Apr-24

\* Special Frequency 2: at least weekly during the months of November, December, January, February and March

Licence Point 3 - Effluent Quality Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	21
Min	23
Mean	3484.43
Median (50th %ile)	450
90th %ile	5200
Max (100th %ile)	44000

Licence Point 4 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	20
Min	<1
Mean	43.20
Median (50th %ile)	1.5
90th %ile	44.5
Max (100th %ile)	540

Licence Point 5 - Ambient Water Monitoring (Year to Date Results)	
Year to Date	Faecal Coliforms (CFU/100mL)
Samples	20
Min	<1
Mean	18.05
Median (50th %ile)	3
90th %ile	27.3
Max (100th %ile)	220

Monthly Exceedance Report			
Date	Exceedance Type	Parameter	Description / Action
12-Mar-24	Concentration limits	Faecal Coliforms	Faecal Coliforms (910 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
19-Mar-24	Concentration limits	Faecal Coliforms	Faecal Coliforms (3800 CFU/100mL) exceeded 100 percentile concentration limit (600 CFU/100mL) at monitoring point 3
26-Mar-24	Concentration limits	Faecal Coliforms	Faecal Coliforms (250 CFU / 100mL) exceeded 90 percentile concentration limit (200 CFU / 100mL) at monitoring point 3

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EPA Licence Point Map

